

CLAIMS:

1. A grid (3) for the absorption of X-rays, characterized in that there are provided a plurality of layers which contain a plurality of wire elements (10) that are spaced apart.

2. A grid as claimed in claim 1, characterized in that the wire elements (10) in a layer are arranged so as to extend parallel to one another.

3. A grid as claimed in claim 1, characterized in that the wire elements (10) of different layers are arranged so as to extend at right angles to one another.

4. A grid as claimed in claim 1, characterized in that the wire elements (10) have round or polygonal cross-sections.

5. A grid as claimed in claim 1, characterized in that the distances (D_x , D_y) between the wire elements (10) of a layer or different layers are different.

6. A grid as claimed in claim 1, characterized in that the wire elements (10) of a plurality of successive layers are oriented in one direction (x or y).

7. A grid as claimed in claim 1, characterized in that an anti-scatter grid composed of layers is focused onto a focus.

8. A grid as claimed in claim 1, characterized in that the wire elements (10) consist of a material absorbing X-rays or are coated with such a material.

9. A grid as claimed in claim 1, characterized in that the layers are provided with an X-ray transparent auxiliary substance in order to secure the wire elements.

10. An X-ray examination apparatus which includes a grid (3) as claimed in one of the claims 1 to 8, which grid (3) is arranged in front of an X-ray detector (8).